

Title (en)

IMPROVED MODIFIED/MUTANT BACTERIAL LUCIFERASES

Title (de)

VERBESSERTE MODIFIZIERTE/MUTANTE BAKTERIELLE LUZIFERASEN

Title (fr)

LUCIFÉRASES BACTÉRIENNES MODIFIÉES/MUTANTES AMÉLIORÉES

Publication

EP 3701014 A1 20200902 (EN)

Application

EP 18795486 A 20181025

Priority

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- EP 2018079234 W 20181025

Abstract (en)

[origin: WO2019081620A1] Modified or mutant bacterial luciferases having improved activity, as compared to wild type or unmodified bacterial luciferases, are described. The modified or mutant bacterial luciferases display increased light production and/or slower signal decay. Employing these modified or mutant bacterial luciferases improve a luminescence reporter system assay by decreasing the detection sensitivity, resulting in improved bioreporter/reporter assays. The invention further provides methods for using the modified or mutant bacterial luciferases, reporter assays using the modified or mutant bacterial luciferases, and kits and articles of manufacture.

IPC 8 full level

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